ABSTRACT
        Literature published between 1965 and 1975 on the
evaluation of persons and their performance in schools is summarized
in this review of the literature. Interrelationships among the
evaluations of participants at several levels of the
organization--the interlevel aspects of performance evaluation in
schools are also examined. Each of the four sections of the review:
Evaluation in Schools, Evaluation of Administrators, Evaluation of
Teachers, and Evaluation of Students, are further subdivided into
three categories of publications: those dealing with theoretical
issues, those on policy and political issues, and those oriented
toward implementation of practical issues. A 300-entry bibliography
is included. (Author/EVH)

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A SUMMARY OF THE RECENT LITERATURE ON THE
EVALUATION OF PRINCIPALS, TEACHERS, AND STUDENTS

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Introductory Statement

The mission of the Stanford Center for Research and Development in Teaching is to improve teaching in American schools. Current major operations include three research and development programs--Teaching Effectiveness, The Environment for Teaching, and Teaching and Linguistic Pluralism--and two programs combining research and technical assistance, the Stanford Urban/Rural Leadership Training Institute and the Hoover/Stanford Teacher Corps Project. A program of exploratory and related studies provides for smaller studies not part of the major programs.

The Environment for Teaching Program has conducted a series of empirical studies of educational evaluation processes using a general theoretical framework. The National Institute of Education asked us to prepare a survey of recent literature in this field so that practitioners and researchers can begin to find their way through the large volume of publications. This survey is not complete, but it may provide a reasonable point of entry for determining current knowledge of the evaluation of administrators, teachers, and students.

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Abstract

This review and 300-entry bibliography cover some of the literature on the evaluation of schools, school administrators, teachers, and students published between 1965 and 1975. The authors review the works cited under the headings theory, policy, and practice.

1. INTRODUCTION

Evaluation in schools has become a critical issue. Beleaguered teachers and administrators reminisce periodically about the halcyon days when it was assumed that teachers taught and students learned, that completing high school was essential to occupational success and personal development, and that college training produced talented teachers who were prepared for the unexpected. But these assumptions are no longer widely believed, and the public is asking hard questions about the effects of schools and teaching. They want some assurance and some evidence that the teachers who teach their children are competent professionals.

Public insistence on evaluating persons and programs has caught most educational organizations napping. Evaluation of educators has never been a key concern. In part this laxity was encouraged by the assumptions noted above. But, for whatever reasons, educational evaluation processes have never been highly developed. Effective systems of evaluation do not exist in schools today. Teachers do not know what criteria are used in evaluating them; they are observed infrequently; and they are not given clear directions for improving classroom teaching. Administrators too have seldom been evaluated, either on their own performance or that of the school or district. Superintendents, because of their direct accountability to the school board, probably receive more evaluations than almost any other participant in educational organizations, with the exception of students, but the criteria on which they are evaluated often have little relationship to the quality of their work or of the district program.

The gap between interest in evaluation and the inadequacy of existing systems of evaluation has created a flurry of activity in this field. Much effort has been expended on devising new evaluation systems and writing about them. Consequently, the literature on evaluation in schools has grown at a staggering rate.

Generally, the literature has been aimed at two goals. The first is directed at evaluating results, often called "outcomes."

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How well has a particular school, program, teacher, or pupil accomplished desired learning objectives? The second is aimed at evaluating performance: How well does a particular teacher or administrator conform to some desired conception of role performance?

The literature also discusses two purposes of evaluation. The first is to establish grounds for making personnel decisions--who gets hired, fired, promoted, transferred, or rewarded. The second is to help people improve their performance and grow professionally.

Finally, the evaluation literature discusses the evaluators: Who is involved in the evaluation process in schools? Is evaluation the province solely of administrators? Should evaluations emphasize exchanges among peers? Should students take a major role in evaluating? How, or even should, parents be involved?

The purpose of this paper is to summarize the recent literature on evaluation of persons and their performances in schools. We found it necessary to narrow our focus, and rather than try to cover both program and person evaluation, we have reported only work on evaluation of persons: administrators, teachers, and students. We have also examined the interrelationships of the evaluations of participants at several levels of the organization--the interlevel aspects of performance evaluation in schools. As we read, discussed, and made decisions about individual articles, we found it impossible to always make clear distinctions between the evaluation of persons and programs, performances and outcomes. Consequently, some literature covering programs and outcomes has been included, but our main emphasis has been included, but our main emphasis has been on the evaluation of persons and performances.

We have attempted here to organize, summarize, and synthesize the literature of this presently confusing and underdeveloped field. Most of the literature on evaluation in schools is not based on empirical research. Most of it is parochial at best. We expect that our efforts will be helpful to researchers working in this area. More important, we hope this summary will be useful to practitioners struggling to design evaluation systems to meet public demands and also to help improve their job-performance ability.

For the past ten years, the Environment for Teaching Program has been studying the evaluation process in schools and other organizations. Our work in the area, we felt, gave us a head start in conducting this summary and synthesis. We have developed a theory of evaluation which, among other things, provides an abstract model of the evaluation process.

1. Assigning goals
2. Setting criteria or standards
3. Making observations (sampling performance)
4. Appraising performance
5. Communicating appraisals (feedback)
6. Planning a program for improvement

Our research has convinced us that weaknesses in every step of the evaluation process exist in schools. We believe that the directions for improvement lie in bolstering each step of the process: developing specific evaluation criteria; making frequent evaluations; communicating these evaluations in a clear, straightforward manner; and developing specific programs for improving performances. We hope that this summary of the literature will stimulate practitioners to make a series of efforts designed to effect these and other improvements in school evaluation processes.

The literature is organized here by area of application--the school in general, administrators, teachers, and students. These four areas were further subdivided into three categories of publications: those dealing with theoretical issues, those on policy and political issues, and those oriented toward implementation or practical issues.

Only a small number of books and articles are theoretical--even in a limited sense. Such pieces attempt to draw general conclusions about the process of evaluating persons in schools. Within this category most authors support our own view of the evaluation process as briefly given above. These theoretical works are included to provide a broad overview of the subject.

A greater number of books and articles deal with policy or political issues. These policy papers may focus on purely political factors, such as the power struggles over teacher accountability, or

on factors deriving from more empirically based studies, such as the
comparative impact upon performances of the opinions of different
evaluators. These articles are included to provide some general guide-
lines and suggestions.

Finally, the greatest number of books and articles are exclusively
practical and concerned with specific implementation techniques.
Typically, they present accounts of evaluation systems in use in par-
ticular schools or how-to-do-it instructions which can enable others
to employ the same system. Works in this category may further be
divided into those dealing with methods or systems of evaluation in
general and those focusing only on the criteria to be used for evalua-
tion. These references are included to provide practical suggestions
on designing and conducting educational evaluation.

The categories presented above are not mutually exclusive, and
certain books and articles may be reviewed under more than one cate-
gory. Neither is the literature reviewed exhaustive of all material
on this topic; we have focused on recent publications, particularly
those after 1965. And, although we cast our net wide, some worthwhile
publications must surely have escaped us. Nevertheless, our survey
has proved useful to us in our study of the evaluation process, and
we hope it will be helpful to others concerned with this increasingly
critical issue.

2. EVALUATION IN SCHOOLS

Theory

In this section we briefly discuss those publications that ad-
dress issues relevant to evaluation at all levels in the school
organization. Because little abstract theoretical study has been
done in this area, the number of works in this category is small.

The special need for evaluation of persons is pointed out by
several authors. Articles of this sort often originate in interest
areas outside of schools. Walker (1972) begins by discussing program

evaluation and notes that even where systematic program evaluation exists, there are often no provisions within the organization that would result in the development and maintenance of desirable staff behaviors.

The use of a general theory of evaluation permits the determination of those processes and problems common to evaluation in all organizations, in schools as a whole, or of individuals filling specific roles. Dornbusch and Scott (1975) and their colleagues have used a general theory of evaluation and authority to examine evaluation practices in various settings such as alternative or free schools (McCauley et al., 1972), a university faculty (Hind et al., 1972), and a preservice teacher-training program (Bryld, 1973). They have examined evaluation systems as they relate to influence upon sanctions, expenditure of effort, visibility of work (Marram et al., 1972), the propriety of authority systems, and the frequency of evaluations (Thompson et al., 1975). They have attempted to relate their abstract theory to evaluation practices in the schools.

Policy

Truly general discussions are difficult to find in policy-oriented literature as well. It is interesting to note that policies for evaluating students are kept distinct from those for evaluating teachers and administrators. Several publications deal with all school personnel except students. DeVaughn (1971b) presents an overview of the problems and premises of teacher and administrator evaluation and cites the major difficulties as lack of attention to evaluation processes, faulty instruments, poorly defined performance criteria, lack of participant involvement, and legal questions. Safthory (1973) examines Kansas legislation relating to the evaluation of certified school personnel. This legislation requires each school district to develop a written personnel-evaluation policy with the following elements: active involvement of the community in at least the development of policy for staff evaluation; involvement of the

certified staff in this development; active participation of the staff member being evaluated in his or her own evaluation; and the clear delineation of who is to evaluate whom, how, when, and to what end.

Finally, Downey (1974) takes a general look at peer evaluation in organizations. In his study he found that three types of peer evaluations--one rating procedure and two nomination procedures-- yielded reliability levels adequate for use in short-range individual evaluations.

Policymakers work by distributing their responsibilities. Thus the descriptions and discussions of their work are presented piece by piece. These people should be encouraged to synthesize the results of their varied experiences and to draw general conclusions and principles. Such efforts will aid and be aided by the development of general theory.

Practice

Just about everyone agrees that evaluation is necessary, and re- cent pressures on school systems for accountability have increased interest in the establishment of effective evaluation programs. But evaluation remains a difficult task, and the literature fills many education journals and monographs. Several bibliographies about general evaluation in schools are available. Poliakoff (1973) provides a review of literature in the ERIC system. She discusses recent trends, focusing on topics such as the job-targets approach and the client-oriented approach. De Prospo (1971) reviews the literature and concludes that the goals method of evaluation (i.e., having evaluation criteria relate to professional goals) most effectively stimulates professional growth. The ERIC Clearinghouse on Educational Management (1973) offers abstracts of publications concerned with competency- based evaluation in schools.

Most of the practical literature aims to make the task of evalua- tion a little bit easier. Many authors emphasize that evaluation of

educational personnel should be geared toward professional growth,
rather than hiring, firing, or promotion. Yet, even if administrators
were to remove negative sanctions from the evaluation program, they are
stuck with a difficult problem: How is one to assess a teacher, ad-
ministrator, or student from a limited sample of behavior which may be
only remotely related to effectiveness? Student outcomes can easily
be observed, but many nondistinguishable factors combine to produce
these outcomes. Is it fair to judge a student, teacher, or adminis-
trator on the basis of test scores? Nevo (1974) found that although
outcomes of educational processes are available for appraisal, students,
teachers, and principals agree that evaluative information gathered
with specific goals in mind is more important.

Many authors have seen the establishment of goals as the key to a
better evaluation system. Frazier and Bedley (1972) trace the impli-
cations of the central goal of the Fallbrook, California, school dis-
trict, "to develop and execute programs which systematically evaluate
and improve the effectiveness of student learning," through the develop-
ment of specific objectives.

The job-target approach, in which evaluator and evaluatee agree
on targets that indicate movement toward broader goals, has recently
gained popularity. Gray (1975) argues in favor of this approach
and discusses its implementation in the Hyde Park, New York, school
district. Ingrahorn and Keefe (1972) describe a similar plan
in Pennsylvania and offer a list of objectives. They warn, however,
that this system may lure participants to choose easily attainable
goals rather than the most important goals. The selection of goals is
the key feature in this system. The evaluator and evaluatee usually
begin with a conference to decide what the evaluatee's role actually
involves and what the goals should be. The job-target approach de-
mands cooperation between the evaluator and evaluatee in all aspects
of evaluation. MacGregor (1975) emphasizes that constructive feedback
to the evaluatee must be an integral part of the evaluation program if
performance is to improve.

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At a system-wide level, Poore (1972) has designed a chart that relates the establishment of goals and objectives to program-planning budgeting systems (PPBS) and to performance evaluation. The National Education Association (1972) offers instructions for a four-hour simulation of the planning of a system-wide evaluation system. Guidelines are provided for planning and role description.

Another movement that has recently gained popularity is the appraisal of an evaluator by the evaluatee--students evaluate teachers, teachers evaluate principals, and principals evaluate higher level administrators. In 1970 Stenneck published the results of a survey of school systems conducting "client-oriented" evaluation programs in which the evaluatee evaluates the evaluator. She updated this report in 1973 with the responses of 468 systems, revealing that student evaluation of teachers is the method of "client-oriented" evaluation most often practiced. Stenneck provides sample evaluation forms and a bibliography in each article.

As we have already stated, the selection of criteria for appraisal is crucial to any evaluation program. Aside from outcomes, what other measures indicate good performance? Laudicina and Laudicina (1972) suggest the criteria of a "democratic" administrator should include: (a) professional competence, (b) intellectual or personal awareness, (c) sensitivity, (d) program awareness and articulation (i.e., "an understanding of the goals and objectives embodied in the student personnel program"), and (e) initiative.

The study of evaluation as a general process is a relatively recent development. Practical literature on the concerns of evaluators has only recently become available. In the near future we can expect the number of studies and publications in this area to increase rapidly, making the field even more exciting.

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3. EVALUATION OF ADMINISTRATORS

Theory

We found few publications concerned with theoretical issues in the evaluation of administrators. Indeed, there are only a few articles of a pretheoretical nature, articles that lay the groundwork for theory and discuss evaluation of administrators. This is not surprising since the subject involves the intersection of two largely unexplored areas--the theory of evaluation and the evaluation of administrators.

Those articles and books that do speak to theoretical issues in the evaluation of administrators usually focus on the principal. Slusher (1975), however, deals with the more general position of managers of human resources. He argues that a performance-appraisal process that measures goal achievement provides a broad perspective for the management of human resources.

Two authors examine the dimensions of the principal's role, those aspects of performance that should be appraised under the evaluation system. E. Dyer (1973) uses a pupil-change (input-output) model of the school and states that the principal and the principal's staff are responsible for: (a) knowing where the students stand intellectually, personally, and socially; (b) knowing the conditions that may facilitate or impede the students' development; and (c) using this knowledge to maximize student development toward certain clearly defined and agreed-upon performance objectives.

Along somewhat different lines, Lessinger (1971) sees the role of the principal as made up of four dimensions: an accountable principal combines the dimensions of steward, celebrant, auditor, and entrepreneur. Thus he is one who:

1. Recognizes his stewardship, his management of the parents' educational affairs.

2. Recognizes that he is participating with a religious intensity in the growth and development of children and staff.

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3. Really hears, and thus is alert to performance and how it may be improved.

4. Is an entrepreneur for his students' and teachers' benefit, gathering resources, taking risks, organizing and staging the best of which he is capable, like any good impresario.

Considering another perspective, Wilson (1975) points out that the principal himself should be evaluated on the way he evaluates his staff. A content analysis of journal articles and books dealing with principals revealed 53 separate appraisable functions within the responsibility of the principal. These functions were classified into the cognitive, affective, and psychomotor domains.

From a complementary perspective, Travis (1972) examined the relationship between teacher perceptions of the principal's role and teacher evaluation of the principal. His findings should be considered by anyone planning a system in which a principal is evaluated by staff members. Using both a role-perception instrument that provides for an examination of both ideal and actual role perceptions of the high school principal and the Purdue Rating Scale for Administrators and Executives, Travis found that:

1. When teachers possess convergent perceptions of the principal's actual and ideal role, the teachers tend to evaluate their principal as highly effective.

2. Teachers who perceive the principal's ideal role much as their principal perceives the principal's ideal role are more likely to evaluate their principal as highly effective.

3. Teachers who perceive the principal's actual role much as their principal perceives the principal's actual role do not evaluate their principal as highly effective.

4. Teachers who perceive the actual role of the principal to be similar to the ideal role of the principal evaluate their principal as highly effective.

5. Teachers perceive the principal's ideal role as consisting of task performances which differ from the principal's actual task performances. Teachers would like to deemphasize those tasks which presently are perceived as forming the actual role of the principal.

6. Principals perceive their ideal role as consisting of increased emphasis upon and frequent performance of those tasks they perceive as forming the actual role of the principal.

The lack of any substantial theoretical work on the evaluation of principals or administrators may be attributed in part to the general lack of empirical work in the area. Good theoretical work with applications in this area remains to be done. Such work must pay special attention to the evaluation of the principal in the role of evaluator of those serving on the staff.

Policy

The treatment of policy issues in the evaluation of administrators, like the treatment of theoretical issues, is light and scattered. DeFree (1974) discusses how school administrators can be formally evaluated, suggesting that an evaluation plan should integrate supervision and evaluation and that its primary purpose should be to improve administrative performance and stimulate better administrative practices. Of interest to those administering school districts, the paper identifies several possible barriers to the acceptance and adoption of a performance-evaluation program:

1. Administrators often feel that evaluation is something that is done to them and not for them.

2. Many current evaluation systems use a checklist of predetermined qualities which administrators feel are oriented to past practices.

3. There is often a lack of clear definition of job functions.

4. There is a tendency to equate evaluation with observation, and administrators dislike such observation.

5. Administrators lack skills, knowledge, and understanding relative to performance evaluation.

6. It is difficult for many educators to accept the view that performance evaluation, which they associate with business, is appropriate in school.

DePree also suggests strategies to help overcome the barriers to
the implementation of such a program. He advises districts to:

1. Seek the support of the superintendent and administrative
   staff by providing adequate time for such a program.

2. Clarify the job functions of administrators.

3. Involve those who will be evaluated in the design of the
   evaluation system.

4. Provide in-service training concerning the process of
   evaluation.

5. Systematically review the program to evaluate administrators
   at least annually.

6. Do everything possible to keep issues of performance evalua-
   tion away from the process of collective bargaining.

DePree's paper is must reading for any district contemplating the
implementation of an evaluation system for administrators. Nygaard
(1974) recognizes the increased public pressure for evaluation of
administrative personnel and, noting that at least nine states now
mandate periodic formal evaluations of administrative and supervisory
personnel in the public schools, reports on the actions of state
legislatures and education agencies.

Examining the evaluation question from the viewpoint of those
being evaluated, Pharis (1973) finds that principals want an evaluation
system that (a) measures reality, (b) considers only controllable
variables, (c) spells out clearly in advance what criteria the prin-
cipals are to be measured against, (d) is not subject to different
conclusions by different evaluators, and (e) permits principals to
have some voice in determining goals.

A particularly controversial issue in the evaluation of princi-
pals is whether such evaluation should be tied to rewards. The Lake
County, Florida, accountability plan offers rewards to principals.
Principals can earn yearly bonuses of up to $1,000 under this experi-
mental plan. To qualify for accountability pay, a principal or county

staff member must assess his area of responsibility, determine a specific educational need within that area, and submit a written plan to the superintendent stating the intended goal and methods of attaining it. Other plans employ negative sanctions. Lloyd Turner (1971) reports on the plan for the evaluation of the superintendent used by the Fort Worth, Texas, board of education. Their plan includes the penalty of dismissal for unacceptable performance.

A major theme running through much of the policy literature on administrator evaluation is that the principal is caught "in the middle." Nolte (1974) sums up one aspect of the dilemma of the principal by pointing out that:

> While the board can fire a superintendent and the superintendent can get a principal fired, a principal who rattles his sabre disturbs few people--certainly not the teachers who are job protected by tenure or union. (p. 29)

Estes (1971) notes the incongruity of the fact that principals are being held accountable at the same time they are losing power to judges, boards of education, superintendents, teachers' groups, students, and parents--the very groups that want the principal held accountable.

Along similar lines, English and Zaharis (1972) argue that the principal's power and influence are being undermined. They note that:

1. The increasing specialization of teachers has eroded much of the technical authority that was formerly the domain solely of principals.

2. Principals are pressured by expanding specialization in central district offices in the form of directors, consultants, supervisors, coordinators, and specialists.

3. Principals deemphasize their professional links to teachers and are acting as managers as a result of collective bargaining.

As a solution to this plight, Nicholson (1972) advocates that the principal take the initiative. He sees this initiative stemming from increased proficiency in the development, implementation, and evaluation of performance objectives and specifies three steps a principal should take to achieve such proficiency:

1. The establishment of a strong frame of reference for the development of performance objectives,

2. The development of the ability to create a viable hierarchy of administrative task areas in which to devote time and energy,

3. The acquisition of skill in applying techniques for analyzing administrative performance.

While the acquisition of these skills may be helpful to the principal under fire, a more effective method of escaping from the plight of getting caught "in the middle" would, we believe, be the development of linked systems of performance evaluation up and down the system, from the level of the superintendent to the level of the students. Such system would more equitably distribute the demands of accountability. Work in this area seems to require a more inclusive approach, one that takes into account the factors and forces affecting the person who is playing the role of principal.

Practice

The evaluation of principals presents a unique practical problem. Unlike teachers and students, principals have no evaluators working with them on a day-to-day basis; the superintendent and board of education are their only superiors, and they rarely see principals in action. These supervisors must somehow distinguish the productivity of the principals from that of the teachers in order to evaluate them both. Are higher reading scores the result of the principal's efforts, the teacher's efforts, or both?

Collegial evaluation is one solution. William Castelter and Richard Heisler (1971) apply principles of performance appraisal from industrial management and the behavioral sciences to the evaluation of school administrators. They suggest that a team of administrators be trained to appraise their colleagues, using specific objectives.

A publication of the Ohio Association of Elementary School Principals (1971) splits evaluation of administrators into two parts:

job performance and professional growth. They offer sample evaluation
instruments geared specifically to the elementary principal, including
a self-evaluation form. J. Everette DeVaughn (1971b) also presents
sample evaluation instruments, "designed to measure professional growth
and service in meeting stated goals." DeVaughn breaks down goals to
standards which are then measured by "behavioral evidence." Self-
evaluation is another solution to the problem of appraising the iso-
lated principal. Rosenberg (1973) offers a step-by-step plan for the
evaluation of principals and emphasizes self-evaluation as part of the
total program.

Cooperation between the evaluator and administrator in establishing
objectives for performance and criteria to measure the achievement of
these objectives seems to be a universal theme. George Redfern (1972b)
feels principals can and should be measured by performance objectives,
which are targets set by the administrator with his evaluator.
Culbertson (1971) and Culbertson et. al., eds. (1974) stress the leader-
ship role of the principal, and the latter paper offers performance
objectives to test this quality. Keegan and Forsythe (1972) discuss
planning an accountability program for evaluating principals on the
basis of performance objectives; Rooney (1973) describes such a pro-
gram in Ventura, California.

Selecting criteria that are both observable and valid often poses
the most difficult problem for the evaluator of the administrator. Lynn
Turner (1974) writes that the evaluation of administrators must be
grounded on performance-based criteria. These sets of criteria should
be used when the potential administrator applies to graduate school
and when he or she applies for a job, as well as when already employed.
Gale and McCleary (1972) also propose the use of the same criteria in
training and in service, and they report on a study of the validity of
some sets of criteria, such as the principal's familiarity with public
relations and with instruction.

Melton and Stanavage (1970) describe specific aspects of the
principal's role that may be helpful in formulating criteria for
appraisal, for instance, implementing and accepting policies, and

developing good interpersonal relationships with parents, students, and teachers. They add that the principal should accept accountability "for the overall effectiveness of the school." But more than half of the teachers answering an opinion poll about the role of the principal ("What Is the Role of the Principal" [1971]) disagree. They say that the principal should not be held accountable for student progress.

Descriptive articles on particular systems for the evaluation of administrators are sometimes worth examining. Beall (1972), Carvell (1972), Dubuque Community School District (1973), Hawkins (1972), Hoffner (1972), and Peebles (1973) all present case studies of the evaluation of administrators in different school systems. The article "Here Is How" (1974), Coats (1974), and P. Jones (1974) describe an accountability-based evaluation program used in Kalamazoo, Michigan. The Educational Research Service (1971) conducted a thorough survey of eleven schools across the United States focusing on administrator-evaluation procedures, and the report should be of interest to school districts.

Another solution to the problem of evaluating the isolated principal is to have the teachers conduct the evaluation. Should teachers evaluate principals? Three out of four teachers say yes, according to the National Education Association, Research Division (1971). W. L. Gaslin (1974) describes such a program used at a high school in Minneapolis. Since the school superintendent is generally the principal's only evaluator, some consideration should be given to the superintendent's role. Harris (1973) analyzes the superintendent's role as an evaluator of administrators.

Finally, two bibliographies are helpful in grappling with the practical issues in the evaluation of administrators. Terry Barraclough (1973) reviews recent literature on the evaluation of administrators, and the ERIC Clearinghouse on Educational Management (1974) cites 23 articles concerning the evaluation of administrators.

Setting goals and criteria for evaluation obviously presents difficult problems with respect to the evaluation of administrators, but the question of who the evaluator should be is equally difficult

to solve. The principal is an isolate; only the teachers view the principal every day. The superintendent and the board of education rarely observe the principal at work. At best, they may see a representative sample of his or her performance. The literature treats the question of teacher evaluation of principals, but few articles suggest methods of increasing administrator visibility to superiors or colleagues.

In sum, the literature focusing on the evaluation of principals stimulates some interesting questions but provides few guidelines for devising new evaluation systems or procedures. If it is true that teacher evaluation is still in the dark ages of development, then principal evaluation is in the stone age.

From a theoretical standpoint, there is little agreement on what aspects of a principal's role should provide the criteria for evaluation. Should the principal be evaluated on the overall performance of the school? Should specific dimensions of the principal's role become the focus of evaluation? Should the principal be evaluated on his or her evaluations of the teaching staff? What aspects of the principal's performance are linked to his or her own effectiveness? What aspects are linked to the school's effectiveness? From a policy standpoint, there is some consensus on the increasing pressures for administrative evaluation and on the unenviable position of the principal in the jaws of the vise. Some strategies have been proposed to meet demands for principal accountability without further undermining the principal's role. But, for any strategy, there are existing barriers that make implementation extremely difficult.

The practical literature on administrator evaluation offers a wealth of tips and suggestions and advocates evaluation systems based on specific situations. Performance criteria have been developed for principals; instruments have been devised to measure their task performance; the participation of principals as well as teachers in the process has been discussed; and the use of peer systems--where principals evaluate each other--has been suggested. Without an

adequate conceptual framework and consensus on general policy issues, however. It is impossible to know the conditions under which these specific suggestions can be generalized. Much more work is needed in order to identify salient features and to outline the conditions under which the evaluation of principals can lead to their improved performance.

4. EVALUATION OF TEACHERS

Theory

Theoretical literature on the evaluation of teachers, like that on the evaluation of principals, is sparse. Only ten publications that may be considered theoretical in the formal sense have been identified. Although they do not present a set of logically related propositions that seek to explain some aspect of the evaluation process, these ten publications lay the groundwork for the development of theoretical propositions and typically perform one of two functions: either they examine the need to evaluate, thereby providing some basic objectives for teacher evaluation, or they attempt to break the evaluation process into component parts by searching for abstract dimensions of evaluation or by proposing models of evaluation. Three of the ten articles are in the form of annotated bibliographies or bibliographic essays that synthesize materials.

For the theorist, the major interest lies in the organizing themes of the bibliographic works. Blount, comp. (1974) organizes the literature under three interrelated frames of reference: the purposes of evaluation, the criteria for evaluation, and the evaluators. Morsh and Wilder (1954), in their review of 360 references, divide articles into two categories: "Criteria for Instructor Effectiveness," which includes rating by administrator, rating by peer, rating by student, self-rating, objective observation of performance, and measures of student change; and "The Predictors--Traits and Qualities Assumed to be Related to Instructor Effectiveness," which includes intelligence,

education, scholarship, age and experience, knowledge of subject
matter, and professional information and attitudes. Ryans (1971),
following a review of existing research, advocates that attention be
paid to qualities of teaching relating to student characteristics and
behaviors and to the effects that may be inferred to result from identi-
fiable experiences in teacher education.

The professional status of teachers is an issue that has been
closely associated with teacher evaluation. Teachers have fought to be
recognized as professionals, a status that connotes a certain amount
of freedom from monitoring. Thus, teacher evaluation is often con-
sidered a threat to teachers' ideas of professionalism. Olds (1974),
one of the few supporters of performance evaluation for teachers to
address this issue, challenges claims of professionalism and the myth
that colleges and universities turn out teachers (and administrators)
as finished products guaranteed to work satisfactorily in any school
district. Covert (1975) questions teachers' desires for increased
professionalism by exploring certain facets of the professional model
that teachers might find unattractive. Among these are the threat of
malpractice litigation, the responsibilities of a profession if entry
into that profession is not controlled, the dominant position of the
professional in relation to the client, and the shroud of secrecy ac-
companying professionalization.

The differences between the professional model of teachers and
the model implied by current teacher-evaluation practices is high-
lighted by Rice (1973), who points out that when principals are called
upon to evaluate teachers, the out-of-role behavior of teachers is an
important determinant in the principals' assessment of dispositional
properties related to role behavior of teachers. Such out-of-role
behaviors do not typically play a part in the evaluation of profes-
sionals.

In a more general article, Stones and Morris (1972) note that a
weakness in the present system of assessing teacher practices is the
diversity of methods of assessment. Wilson and Smith (1974) specify

two major purposes of evaluation: the improvement of instruction, and the documentation of inadequate instruction. They advocate that we pay more attention to improvement as the purpose of evaluation.

Considering a different facet of evaluation, Corwin (1968) examines the focus of evaluations and discusses the different effects of evaluations of techniques and evaluations of outcomes. He writes that:

> When subordinates are lauded for their conforming to specific operating rules, these practices become transformed into sacred rituals by employees who, having once mastered them, resist their modification. . . . On the other hand, when employees are evaluated in terms of results rather than the techniques they have mastered, the use of initiative and experimentation with alternative methods is encouraged to a greater extent. (p. 7)

A number of articles are more directly concerned with the dimensions of teacher evaluation, and some of these deal with teacher effectiveness. Orlosky (1973) discusses factors that influence the selection of competency criteria and points out the difficulty of preparing teachers to perform competently if those criteria are not specified. Bohlken and Griffin (1970), in their presentation of a model for determining the effectiveness of high school teachers, focus on communication and interpersonal trust. Trust is broken down into elements of expertness, character, dynamism (as perceived by students), and achievement of course objectives.

Perhaps the most thorough examination of the dimensions of teacher effectiveness is that of Hunter (1973): She has broken down the teaching process into eleven discrete but interrelated components:

1. Deliberate separation of genuine educational constraints from the ethnic, financial, intellectual, or emotional excuses that constitute typical and acceptable excuses for learning failure.

2. Determination of what a student has already learned and what he or she is ready to learn.

3. Identification of productive learning behavior for achieving a particular learning task for a particular learner.

4. Determination of an instructional objective that is specific in context and p[...] [ce]ivable in terms of learned behavior.

5. Identification of the principles of learning that are relevant to the accomplishment of the instructional objective.

6. Adaptation of those principles to the particular situation of each learner.

7. Incorporation of professional ethics as the teacher uses his or her attributes plus his or her competence in the specific learning area in order to enhance the learner's probability of success.

8. Synthesis of decisions 1 through 7 in the deliberate design or blueprint for a teaching-learning episode.

9. Teacher's observation of the learner in order to augment or correct the decision-making process.

10. Constant monitoring of the learner's progress to yield essential current information that may modify or validate the design for learning.

11. On the basis of evaluative data, teacher must decide whether to reteach, practice and extend, move on, or abandon ship if the objective is not appropriate for the learner at the time.

These components can be the elements of a teacher-training and teacher-evaluation program.

Moving away from discussions of the dimensions of teaching, we find a few articles on the dimensions of the evaluation process itself. Medley et al. (1975) distinguish four assessment levels in a teacher's professional development---level 1, assessments of training experience; level 2, assessments of the teacher's behavior; level 3, assessments of the pupil's behavior; and level 4, assessments of instruction. They maintain that level 2 is the most appropriate for teacher evaluation.

From a different perspective, the report of the Commission on Public School Personnel Policies in Ohio (1972) recommends that evaluation be concerned with the subject matter being taught and the skills of those conducting the evaluation. Bowman (1971) distinguishes between teacher evaluation in the cognitive and emotional spheres.

finding more agreement on cognitive matters. Harmon et al. (1975)
present an instrument designed to determine teacher attitudes toward
elements of the process of evaluating classroom teaching. The most
comprehensive discussion of dimensions of an evaluation system is
Stemnock's (1972b) national review of systems for teacher evaluation;
she discusses purposes of evaluation, frequency of evaluation, specific
evaluators, evaluation procedures, and appeal procedures.

Evaluation as an element in the relationship between teachers and
their superiors is the subject of a number of articles. By far, the
greatest attention is devoted to the principal as an evaluator of
teachers. Thompson et al. (1975) discuss the failure of communication
in the evaluation of teachers by principals. They place additional
emphasis on the low frequency of principal evaluation and the associated
teacher dissatisfaction. Teachers do not find the evaluation system
helpful in providing guidance in their teaching tasks. Rather, teachers
report relative ignorance of the criteria and samples on which princi-
pals base their evaluation. Further, Thompson and her colleagues
found that the lower the frequency of communicated evaluations reported
by teachers, the more dissatisfied were the teachers and the less
helpful were the evaluations in improving the quality of teaching.
These results suggest that an increase in the frequency of evaluations
would increase teacher satisfaction, increase the teachers' beliefs
that evaluations could provide helpful guidance, and not be perceived
as a threat to their professional autonomy.

In a follow-up study, Dornbusch et al. (1976) explored other
problems that arise as the principal evaluates teachers. They found
that principals are the most influential and important evaluators of
teachers but that principals are not satisfied with the system for
evaluating. In addition to the communication problems already men-
tioned, they note the failure of the evaluation system to operate in
ways that support the principal's control of teachers on tasks that
principals deem more important. The system of rewards and penalties
based on evaluation is insufficiently important to teachers. Finally,

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they find that both teachers and principals are in agreement on the need for increased ability of teachers to affect the criteria and samples of teaching behavior on which principals base their evaluations.

Redfern (1972a) discusses the attitude of the principal toward evaluation and his or her vital role in the evaluation process (including the use of evaluation outcomes for administrative action.) J. Williams (1970) investigated the relationship between teacher ratings of the principal and systems for teacher evaluation. He found that principals who adhered to a district-prescribed appraisal system were rated higher than those who did not adhere to the system, a finding consistent with the more general notion that teachers welcome systematic evaluation. Payne (1974) studied the relationship between teacher-principal consensus relative to the teacher's role and the perceived quality of the principal's evaluation of the teacher and found no significant correlation. Chan (1973), however, found a significant positive relationship between agreement of principals' and teachers' philosophies with respect to educational practices and positive views of teacher evaluation. Looking at the elements of the evaluation system, Stinson (1971) found significant differences of opinion between teachers and principals on three criteria of teacher evaluation: efforts to improve professional competence, pupil participation in learning, and reliability of evaluation instruments.

As was the case with the evaluation of principals, several writers have dealt with aspects of collegial evaluation. Swanson (1974b), in a study of military instructor pilots, examined the ratings of teaching made by superiors, students, peers, and the instructors themselves, and found that peer ranking and rating of teaching in terms of leadership style was the most accurate approach to evaluation. In a more analytic mode, Caldwell (1971) lists characteristics of a collegial evaluation plan that emphasizes improving teacher performance rather than criticizing mistakes. Among the characteristics are: evaluators should be teammates who see each other in diverse situations over

extended periods of time, evaluators should be of service in helping to
solve problems, and evaluators should be evaluated by those whom they
evaluate.

Marram, Dornbusch, and Scott (1972) found that elementary school
teachers had little respect for evaluations of their teaching by other
teachers. One reason for this skepticism was the teachers' low estimate
of the value of professional knowledge, skill, and training. A second
factor, related to the organization of schools, was the lack of visi-
bility of teachers' work to each other. An increase in the visibility
of work, brought about by team teaching and open schools, increased
the perceived validity of evaluations of that work, and valid evalua-
tions were more important to those being evaluated. The authors sug-
gested that the increased use of open schools and teaming may lead to
greater use of collegial evaluation systems.

In a report on two field tests of a collegial evaluation program
for professional development, Roper, Deal, and Dornbusch (1976) note
that teachers can and will help each other perform better at their
jobs. The most difficult part of the program for teachers was in
selecting criteria to serve as bases for evaluations. Nevertheless,
most teachers did select criteria that were specific, observable, and
meaningful to them. Thinking about criteria not only helped teachers
assess areas for improvement, but also helped them to clarify their
goals as teachers. On the whole, the teachers reacted favorably to
collegial evaluation, adapted programs to fit their unique circum-
stances, and gained new respect for their colleagues as they developed
a program for professional growth.

In two articles, McKenna attempts to place teacher evaluation in
a broader perspective. In "A Context for Teacher Evaluation" (1973a)
he presents a paradigm for program, evaluator performance, evaluation,
and the evaluation of outcomes. He shows how the evaluation of
teaching performance is related to aspects of the program--such as
student and staff characteristics and facilities--and to learning
outcomes--such as skills, aptitudes, and attitudes of students. In the

second article, "Teacher Evaluation: Some Implications" (1973b), he
points out that the scope of evaluation in education is much broader
than just evaluation of teachers and that teacher evaluation in isola-
tion will be fragmented, inconsistent, and unjust.

While the theoretical work on the evaluation of teachers is better
developed than that on the evaluation of principals, a great deal re-
mains to be investigated. Particular attention should be paid to
student outcomes in the process of teacher evaluation.

Policy

In the area of policy, the key word in teacher evaluation is "ac-
countability." Numerous articles have been written concerning teacher
accountability. Earle (1973) makes the point that the source of this
push for accountability is a public that has lost confidence in those
who staff schools. Alkin (1972) provides a definition of accountabil-
ity as a "negotiated relationship in which the participants agree in
advance to accept specific rewards and costs on the basis of evaluation
findings as to the attainment of specific ends." Hammons (1975) speaks
of accountability in terms of job assignments, areas for improvement,
and assured assistance from leadership. Several bibliographies on the
topic provide further help in describing the range of topics which
appear under the rubric of accountability. The National Education
Association, Division of Instruction (1973b) has compiled a list of
29 articles, books, and essays published since 1970 on the concept of
accountability in education. O'Donnell (1974) uses the format of a
review of the literature to discuss 12 articles related to accounta-
bility for English teachers. The National Association of Secondary
School Principals (1974) has compiled a bibliography to assist princi-
pals and others in clarifying the concept of accountability. The
material is presented in four areas of accountability--financial,
pupil testing, personnel evaluation, and general.

The dimensions of personnel evaluation having policy implications
are discussed by several authors. Alkin (1972) classifies accounta-

bility programs in terms of the person held accountable, the person to
whom one is held accountable, and the subject of accountability. He
maintains that school boards are accountable for goals and objectives,
administrators are accountable for programs, and teachers are accounta-
ble for outcomes. Krasno (1972) seeks to relate research on teacher
effectiveness to the accountability process--the concept of good
leaders, the complexity of the teaching-learning process, the limita-
tions of outcome measurement, and the importance of long-range outcomes.

Accountability programs based on student outcomes are the subject
of great controversy in the field. Alkin and Klein (1972) present dos
and don'ts for an accountability program based on outcomes. They note
that a good system for teacher evaluation should not require subjective
judgments of principals or panels but instead should employ objective
measures of student performance which control for previous student skill
levels, student socioeconomic status, and possible fault in the pre-
scribed curriculum. In addition, they suggest that such objective
measures be sensitive to the goals of a particular school. As a less
costly alternative, they recommend performance tests for curriculum
units in which students have had no previous instruction. Teachers
would be given a fixed amount of time to teach a unit, and student
performance would be assessed at the end of the period. Such a system
must have strict security in order to prevent the teacher from "teach-
ing for the test." Basic to the use of such tests is the assumption
that outcomes on these short-run tests will correlate with teaching
ability using a longer time scale. Finally, Alkin and Klein stress the
importance of setting standards or criteria by which to judge teacher
effectiveness.

The use of behavioral objectives in systems of accountability is
the focus of a number of articles. Meade (1973) argues for an ac-
countability system based on establishing suitable experiences compati-
ble with proper objectives for a subject. Popham (1972b), a leading
proponent of behavioral objectives, argues that the principal as an
evaluator must become aware of real and specious assessment of teacher

performances and that the use of behavioral objectives is the best way
to get valid measures. Ovard (1975) notes that a recurring theme in
educational research has been the attempt to make teacher evaluation
more objective, and he interprets the current attempts to link ac-
countability with performance-based objectives as the latest phase of
that theme.

The design of accountability programs is only half of the process.
The effects of the introduction of accountability systems are the sub-
ject of several policy-related articles. Ferrera (1974) examined
school districts in Northern California following the introduction of
the accountability programs mandated by the Stull Act. He found that:

1. There is agreement among school personnel and board members
   that a) all certified personnel should be evaluated, and
   b) student performance is the main criterion for evaluating
   teacher effectiveness.

2. School personnel and board members argue that external pro-
   cedures and administrative behavior have changed as a result
   of the Stull Act.

3. School administrators and board members perceive that teacher
   evaluation has improved as a result of the Stull Act, whereas
   teachers perceive no improvement as a result of the Stull Act.

Crucial to the successful implementation of any accountability program
is the acceptance and support of such a program by the teachers.

Zelena (1973) studied teacher perceptions of teacher accounta-
bility and found that teachers who feel that evaluation is for in-
structional purposes are supportive of it, while those who feel that
evaluation is utilized mainly for administrative purposes (tenure,
promotion, dismissal, assignment, salary, and permanent records) tend
to view the process negatively.

Accountability from the viewpoint of the teacher is also the sub-
ject of two papers by the National Education Association's Division of
Instruction. One of these (1973a) examines the broader aspects of
accountability, details specific state legislation for assessment and
accountability, and suggests strategies for teacher associations that

must operate under restrictive legislation. The other (1972) lists six elements to be considered when attempting to assess learning outcomes: established goals, regular assessment of students, varied and individualized programs, established criteria, abundant resources, and the nature of governance. It also suggests that teachers can prevent enactment of unfair accountability laws by such actions as identifying the responsibility of other groups in education and by seeing that accountability measures become regulations of state departments of education.

Teachers, as well as those who act as advocates for teachers' rights, are often involved in defining the limits of an accountability program. Such specified limits are important factors in determining whether or not teachers will support the system. Ray (1974) gives his opinion as to the conditions under which teachers should be accountable, taking the view that accountability should serve as a basis for the improvement of teaching. Bidwell (1965) suggests that accountability should be a means of improving instruction and renewing professionalism. He notes that the measurement of student achievement would be improved by initiating positive feedback based on minimum performance objectives. If this is done, accountability should elevate problems of communication between the various levels of instruction.

Other members of the school community may be affected by the introduction of an accountability program. Looking at an often neglected member of the school's professional staff--the supervisor-- Brodbelt (1972) describes the changes in the supervisor's role that are likely to result with the introduction of an accountability system. Special reference is made to evaluation, performance contracts, and changing teacher behavior.

Moving from teacher accountability to the more general and less politically charged topic of teacher evaluation, there seems to be less policy-related literature. DeVaughn (1973) discusses the legal aspects of due process in teacher evaluation and points out that evaluation systems must be fair if school boards are to be less vulnerable

to attacks in the courts. McKenna (1973b) argues that any evaluation system will be ineffective unless the system is tied to the allocation of time, talent, and money in a school district. Finally, in presenting a union advocate's view, Feldman (1972) calls for a revision of standards for teacher evaluation and replacement of the existing subjective standards. Among her suggestions are:

1. Improve preservice programs for teacher preparation (with emphasis on performance rating and field experience).

2. Involve experienced teachers in programs of teacher education.

3. Refine procedures for teacher selection through follow-up studies prepared by the school systems.

4. Revise certification and licensing exams to provide more objective tests for selection.

Few articles in the literature deal both with design of a system of teacher evaluation and with the implementation of that design. The school leader who attempts to handle one without considering the other is likely to encounter great difficulty. Publications reporting on the interaction of these problem areas are badly needed, since such material would consider how school leaders can reach a compromise between the desirable and the feasible.

Practice

Anyone who attempts to sample the literature describing current systems of teacher evaluation will be overwhelmed by its abundance. We can only note the numerous summaries and partial reviews.

Baral, comp. (1974) and the ERIC Clearinghouse on Educational Administration (1971) may help the researcher sift through published and unpublished information, since both offer details about price and availability of documents, as well as brief abstracts. Mueller (1971) describes the literature up to that year, stressing student outcomes and differences in teaching environments. She also includes an annotated list of references.

General books and articles discussing problems and approaches to teacher evaluation include: Anderson and Hunka (1963), Beller (1971), Burkhart, ed. (1969), Deneen et al. (1972), Guthrie and Willover (1973), Lavelle (1972), "NJEA Speaks Out" (1971), the Ohio Education Association (1970), and Roth and Mahoney (1975).

Numerous publications address specific problems. Nuspel (1973) deals with the problem of objectivity in evaluating teachers. Elmore (1974) discusses the use of "objective" and "subjective" criteria for the evaluation of teachers from 1890-1973. Dropkin (1973) explains "the combination of competence and effectiveness in evaluating teacher performance." Drumheller (1974) argues that too many administrators look at criteria that are easily observed rather than at those that are valid. Bush (1973) discusses the influence of student subcultures on evaluation instruments. Brooks and Levinson (1974) criticize the use of questionnaires in evaluation.

Many authors suggest definite evaluation systems and offer "how-to" instructions. The National School Public Relations Association (1974), McNally (1972), Hannon and Kralik (1973), and A. Jones (1972) emphasize that evaluation programs should aim to improve teaching. After observing the teacher, the evaluator should offer suggestions for improvement in a conference. Goals and criteria should be established cooperatively by teachers and administrators before assessment begins. Frison (1972) emphasizes the importance of observation. He says that because teaching is a personal matter, the evaluation process should also be personal. According to Israel (1969), observations should be frequent; evaluations should not be based on isolated events.

For any evaluation program to be successful, the administrator and the teacher must agree on what a teacher should be. Alvir (1975) defines five teacher roles as the basis for evaluation: (1) classroom facilitator, (2) resource person, (3) academic advisor, (4) nonacademic liaison, and (5) researcher-innovator. His evaluation instrument takes account of these roles, as well as such traits as creativity and initiative. Bradley et al. (1964) also discuss evaluation in

terms of teacher roles. They describe a selection of six teacher roles as the "California Definition." Washington (1971) offers another definition of what good teaching involves. She describes the "Expert Teacher Action Program," which defines a set of teaching standards with 25 variables. Her book also includes instruction for classroom observation.

Several plans for teacher evaluation have been accepted and successful. The Redfern (1972a) approach, also known as the job-targets approach, has recently gained popularity. First, the evaluator and evaluatee have a conference to establish job targets based on broad educational goals. After the evaluator has assessed the teacher's performance, they meet again t discuss ways to improve teaching and to establish new targets. Armstrong (1973) argues that the Redfern approach should be adopted and presents a description of this approach directed to teachers.

Along slightly different lines, Hunter (1974) presents an assessment instrument developed at UCLA based on Piaget's theories. Hunter (1973) suggests that the evaluator should observe the teacher teach one lesson to a student who has been pretested on the subject matter. Afterward, the student should be re-evaluated. At the end of the process, the evaluator has both a measure of the teacher's success and assessments made during observation. The combination may help to spot areas for improvement in the teacher's performance.

Popham (1972a) proposes a similar test of teacher performances. The students would be tested before and after the teacher presents a lesson. Popham stresses that this method would be more objective than classroom observation, but without observation the evaluator may have difficulty in pointing to specific areas a teacher should work on. Popham (1971) applies this method to the requirements of the Stull Bill, the California law that has increased the need for evaluation programs by mandating teacher assessment. King and Jordan (1972) offer another evaluation plan geared toward the Stull Bill which includes suggested forms and schedules.

Since people themselves make observations, evaluations can only be as objective as the people who make them. One way to make evaluations more objective is to allow the same piece of behavior to be observed by different people. Baltus (1974) suggests television taping of behavior to be evaluated. The principal and the teacher can then go over the tape together. Case and Brown (1970) also suggest a videotape which can be played repeatedly for the teacher and his or her colleagues.

Time and money may not be available for such expensive techniques. In fact, in recent times, many schools have found themselves under such severe financial pressure that they must fire some teachers. Time constraints typically accompany such pressures, leaving no resources for conventional processes of evaluation. To deal with such a situation, Harvey (1974) recommends a backward process of rating teachers, using broad criteria such as "quality of teaching," and then observing only those teachers with low ratings in order to determine who should be fired. Harvey believes that if several people agree on a rating, even without observation, their consensus approaches a valid observational measure.

Those who frequently observe teachers in action are the students, but unfortunately most of the literature on evaluation by students relates to a college situation rather than one in elementary or secondary schools. Jacobson (1973) feels students have the most "accurate perception of classroom atmosphere and teacher performance". She and her students created an evaluation instrument that includes statements for students to use in scoring teachers, such as, "You give the right amount of homework," or "You include us in the planning of your program." Shaw (1973) and Hasson (1967) both recommend student evaluation of teachers, but Bejar (1975) warns that research on the validity of such evaluations may not justify using the results for personnel decisions. Pettman (1970) has put together an annotated bibliography of articles published between 1965-70 concerning student evaluation of teachers. Although some teachers would rather not rely on a student's evaluation of their behavior, they feel less uncomfortable

with a system of collegial evaluation. Roper, Deal, and Dornbusch
(1976) have written an informative account of a study of collegial
evaluation among student teachers at Stanford University.

Again, specific case studies are helpful. Davis (1974), Fox
(1971), Frees (1972), Freese (1973), Hillerich (1972), Hoak (1972),
Koble (1971), Lill (1970), Miller (1974), Newlin (1972), Shearron
and Johnson (1973), Sinha (1962), Thomas (1972), Thornsley (1972),
Toker (1965), Voege (1970), and Williams (1972) describe various
teacher evaluation programs in the United States. The model used in
Kalamazoo, Michigan, is the subject of "Ready? Let's Open That Can
of Worms" (1974), Coats (1975), and the Kalamazoo Public Schools
(1974). Abstracts of 13 different teacher evaluation systems are
available in National Education Association, Division of Instruction
(1973c).

Many administrators see self-evaluation as an essential element
of any evaluation system. Olds (1973) agrees. He argues that any
formulation of performance objectives involves a substantial degree
of the teacher's own self-evaluation and offers instructions for de-
veloping a self-evaluation program. Detzner (1974) suggests that
videotaping provides a "nonthreatening" means of self-evaluation. As
stated previously, to successfully design and implement a teacher
evaluation system requires the cooperation of the teachers involved.
Moreover, the school staff at all levels must participate in planning.
Spears (1974), Lindley (1962), and Thistle (1955) discuss how to plan
teacher evaluation programs. Lindley and Spears stress cooperation in
developing guidelines, and Spears favors an accountability system
employing self-evaluation.

In two separate studies of teacher perception of evaluation pro-
grams, Eads (1974) found that teachers prefer a "supervision by ob-
jectives" model, and Nieburg (1970) found that both teachers and
administrators like a performance-factor list like the one developed
by the National Education Association (1972). Such a performance-
factor list requires the careful selection of the proper criteria for

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evaluation. The professional nature of teaching makes this a diffi-
cult problem. Because students differ in skills and background when
they enter a class, and because teaching techniques vary greatly, no
single measure can express how good a teacher is. Taneman (1970) con-
siders pupil gain as a criterion. Scott (1972) recommends the review
of classroom assignments. Swanson (1974a) proposes criteria to measure
leadership qualities in teachers. Brown (1973) describes criteria for
science teachers. McFadden (1970) reports on the results of "Project
D," which developed a system of appraisal based on standards of ef-
fective teaching along with a self-evaluation instrument. Cameron
(1973) finds that principals, teachers, and school board members define
student achievement as the major objective for student growth and
that student growth is a more reliable measure than observational
ratings for use in teacher evaluation.

Eye (1975) examines the roles of the superintendent with respect
to teacher evaluation. He defines four: mediator of expectations,
designer of evaluative attack, criterion evaluator, and responsible
accumulator.

Because they are not typically considered classroom teachers,
school counselors escape the notice of evaluators. Since counselors
perform an important function in the school, this is clearly a mis-
take. Ferris (1971) and Anderson et al. (1967) offer guidelines for
the evaluation of school counselors. Stewart (1974) suggests some
criteria for the evaluation of counselors. Dunlop (1971) discusses
three different methods of counselor evaluation: (a) involving
practitioners in training, (b) encouraging practicing counselors to
be their own evaluators, and (c) creating ethics and standards com-
mittees. Eckstein (1974) finds that client ratings of counselors
improve their performance and are generally higher than ratings by
experts. Percival (1974) has developed a list of 180 criteria for
evaluating counselors.

Publications on the subject of teacher evaluation are certainly
numerous, but few readable, comprehensive handbooks exist that can be

readily applied to a school district. Many of the plans involve much
time and effort. Many authors seem anxious to espouse more objective
programs of evaluation. But regardless of what the ideal situation
might be, evaluation of teachers by principals is the most common form
of evaluation and must be improved if the total process of teacher
evaluation is to be made more satisfactory.

In summary, the literature on the evaluation of teachers, although
bountiful in size and scope, suffers from an accumulation of unresolved
issues. Theoretically, the process of evaluating teachers is still
plagued with basic questions: Are teachers subject to professional
or bureaucratic evaluation processes? What are the critical aspects
of a teacher's classroom performance? How are teaching techniques re-
lated to learning outcomes? Should teachers be evaluated on perfor-
mances or outcomes, and who should be involved in the evaluation of a
teacher's performance?

From a policy perspective, teacher evaluation is intricately tied
to the general concern for increased accountability in the field of
education. The accountability issue has undoubtedly contributed to
the sheer volume of material on the evaluation of teachers. But this
contribution has also served to cloud the purposes behind teacher
evaluation and to politicize the implementation of evaluation systems
designed to improve the quality of teacher evaluation.

5.   EVALUATION OF STUDENTS

Theory

When we turn to the evaluation of students, our work immediately
seems to be cast in a different light. Frequent student evaluation
is an active part of the normal routine of schools in a way that evalua-
tion of teachers and administrators is not. Evaluation of students is
not usually discussed at the same time as the evaluation of teachers
and administrators. But because we view the school as a system, we
feel that this practice has some problems. There are features of the

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evaluation process that are common at every level of school evaluation. The evaluation of students differs from the evaluation of school personnel, however, because pressures for student evaluation greater. These pressures are inherent in the transitory nature of role of the student. A teacher who is not evaluated continues to be a teacher; for lack of a decision, the status quo is maintained. On the other hand, an eighth grader who is not evaluated cannot continue to be an eighth grader; he or she must move through the particular school and out into other institutions of the society. Persons in their student careers are more likely to be evaluated than are people in settled and stable positions.

Although the pressure for evaluating students is great, it does not necessarily mean that a great deal of theoretical work has been done on the topic. Perhaps because the problems of student evaluation are so pressing, only a few people have examined the general area in a thoughtful manner. Weinrauch and Matejka (1975) conducted a study that revealed that greater communication between teachers and students reduces students' false estimations of their course grades and thus reduces students' negative evaluations of their teachers. Wolf (1971), noting some inadequacies of outcome-based systems of evaluation, advocates that student evaluation take place within a transactional context. He maintains that evaluation should disclose the result of the individual's learning experience, look for the causes of success or failure, and encourage and assure responsibility. Friend and examined the evaluation of students from the perspectiv theory. They found that both social class and race tional patterns. The poor performance of lower-cl seen as being attributed to high ability and lo children were seen as attributing to themselv explaining their performance in terms of lack

Differences in teacher evaluations of dent's race are the subject of two other article. Massey, Dornbusch (1975) and Fernandez, Espinosa, and Dornbusch (1975) foun

that teachers respond to low academic performance from Black and Chicano students by being nice to the students rather than by presenting them with the challenging standards they present to Anglo students. The use of warmth and praise by teachers in response to poor performance by Black and Chicano students guarantees continued poor performance. The teachers produced a faulty evaluation system which led the students to self-delusion about their level of effort and achievement.

Grading or marking has been the traditional means of evaluating students. Hoffman (1974) examines rationales for grading systems in light of the principles of learning. He notes that the practice of using improvement as a source of grades ignores the fact that improvement is easier at some stages than at others, and that it is harder for good students to improve. Using the normal curve as a source of marks is also inappropriate, for a teacher is not likely to get a random sample of abilities in a class. Hoffman also comments on the frequency of evaluation, noting that too-frequent evaluation discourages student response. With respect to grades as a source of motivation, he points out that grades may motivate some but not all students, and he mentions the need for moving to a more intrinsic form of motivation. In designing evaluation systems, Hoffman argues, teachers should make sure that the evaluations encourage students to adopt the right patterns of work and that the exercises to be evaluated are learning experiences in themselves. Whatever system is used, Hoffman urges that the results of the evaluation be communicated quickly and discussed with the student.

Clearly, more theoretical work needs to be done in this area. A look at the professional literature for teachers, along with that portion of the psychological and social science literature dealing with learning and sanctions, might be a good place to start in the development of a theory.

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Policy

Many interesting articles on the evaluation of students focus on the problems of current evaluation policies. One of these problems is the lack of uniform standards. H. Jones (1963) discovered that procedures and criteria used in evaluating student work varied, as did the grades assigned. Similarly, Crowley. (1968) found that grades lost their meaning because of a lack of clearly defined practices and procedures for grading. More specifically, Thomas (1965) concluded that there is little agreement on what roles are played by achievement and ability in arriving at the final grade. Along different lines, Fiber (1972) criticizes teachers for using a normal curve to assign grades, pointing out that this practice forces failure for some students in a class even if all have worked and learned something.

Several authors have discussed recent developments in the evaluation of students. Doherty (1975) draws the distinction between standards for individuals and standards for groups, as well as the distinction between normative and criterion-referenced standards. He argues that it is inappropriate to set standards for types of learning where cognitive development is a principal contributor to the type of capability being measured, if the intent of those standards is to try to get all students to achieve at a specified level. Instead, he maintains that it is appropriate to set standards for acquiring finite bodies of information or skills where their acquisition is judged necessary for a defined purpose. Job competence, personal competence, social competence, or entry to higher levels of education or training are examples of such purposes. Haynes (1973) deals with teacher accountability based on student outcomes, believing that such a system can have deleterious effects on study in the humanities. She maintains that the metaphoric perceptions of students, so important in the humanities, may be sacrificed for the more measurable and objective behavior required for accountability.

On a more positive note, Cohen (1973) found that among high school students the act of evaluating the work of peers was an

effective device for learning. This suggests that the benefits of collegial evaluation are not restricted to teachers and administrators.

Because schools transmit and modify the patterns of inequality in American society through the evaluation and categorization of students, this entire area is very important. Policies relating to student evaluation are seldom critically examined. The area deserves much more thought and attention than it has received.

Practice

People generally accept the premise that students should be frequently evaluated--they have been for years. Because of this, evaluation methods have been standardized. We will comment here only on proposals for nonstandard methods of evaluation.

Froe (1972) feels that the disadvantaged child should be given special consideration in the process of evaluation. He recommends short-range goals that are relevant to the life of the student and objectives oriented to the student's present goals. When the broad educational goal is to gain an understanding of democracy, for example, the study of the civil-rights movement may be more effective than the study of the colonial period for the minority child. The teacher must pay attention to the cultural basis of differences in student behavior (e.g., use of middle-class English) and be careful to evaluate only ability. Metzner (1971) cites several studies that illustrate teacher bias according to sex, socioeconomic status, race, reputation, and other nonacademic qualities of students.

The concept of accountability has permeated all types of school evaluation. Forehand et al. (1973) describe a program for student evaluation based on accountability. First, the school system establishes a minimum standard for student achievement. Then the students are tested to determine the base for their development. (The authors offer instructions for calculating this base point.) Teachers can then measure improvement based on the original scores. According to the authors, "The school staffs and the representatives of the school

system should be held accountable for the performance of their students regardless of the setting in which the school operates" (Forehand et al., 1973, p. 7). Teachers cannot use factors such as low socioeconomic status as an excuse for meager student progress.

Bloom (1974) suggests that students should be consulted in the evaluation process. This suggestion ties the evaluation of students into the movement at all levels for participation of performers in the establishment of goals and criteria for evaluation of their performances.

Proposals for new methods of student evaluation are few and far between. Those mentioned above illustrate only some of the ways in which evaluation systems for students can be modified and improved.

In summary, the role of the student seems to carry different expectations for evaluation than the roles of administrator and teacher. Whereas teachers and administrators are more sheltered from evaluation, students appear to be particularly vulnerable to the effects of evaluation.

Although the frequency of evaluation appears to be greater, the theoretical literature offers support for features of evaluation that affect administrators and teachers also. Frequency of evaluation, knowledge of criteria or standards, and the need for quick and concise communication of evaluations remain important whether administrator, teacher, or student is the evaluatee. In policy-related articles, determining criteria seems to be the stumbling block in creating an evaluation system. As with teachers and administrators, evaluation for students has potential benefits that overshadow the meager attention given to such approaches in the literature. Practical suggestions for better student evaluation seem rare, despite the need for improvement.

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